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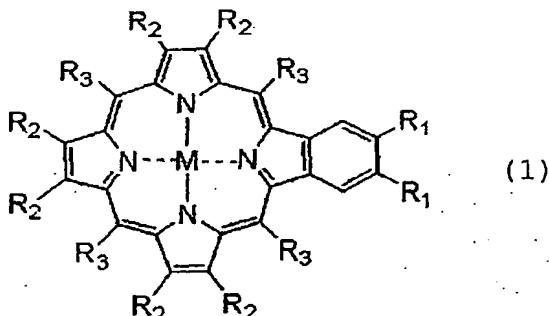
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(54) Title: FIELD EFFECT TRANSISTOR AND METHOD OF PRODUCING SAME



(57) Abstract: A field effect transistor is provided which comprises an organic semiconductor layer comprising a compound having a monobenzoporphyrin skeleton represented by the general formula (1): wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of a hydrogen atom, a halogen atom, a hydroxyl group, and alkyl, alkenyl, oxyalkyl, thioalkyl, alkyl ester and aryl groups each having 1 to 12 carbon atoms with the proviso that adjacent R<sub>1</sub> may be the same or different and adjacent R<sub>2</sub> may be the same or different and that at least two of R<sub>2</sub> are not hydrogen atoms; R<sub>3</sub> is a hydrogen atom or an aryl group; and M denotes two hydrogen atoms, a metal atom or a metal oxide.

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